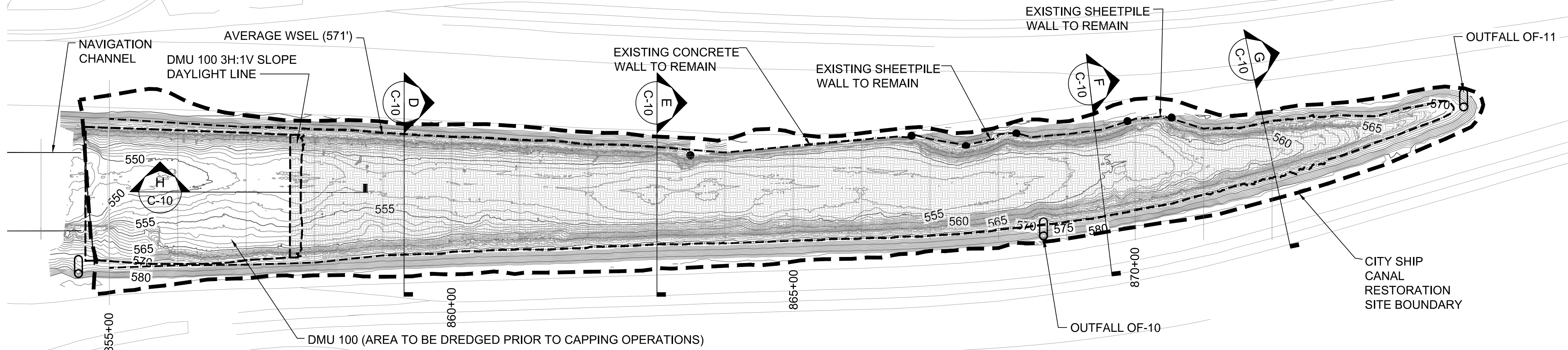
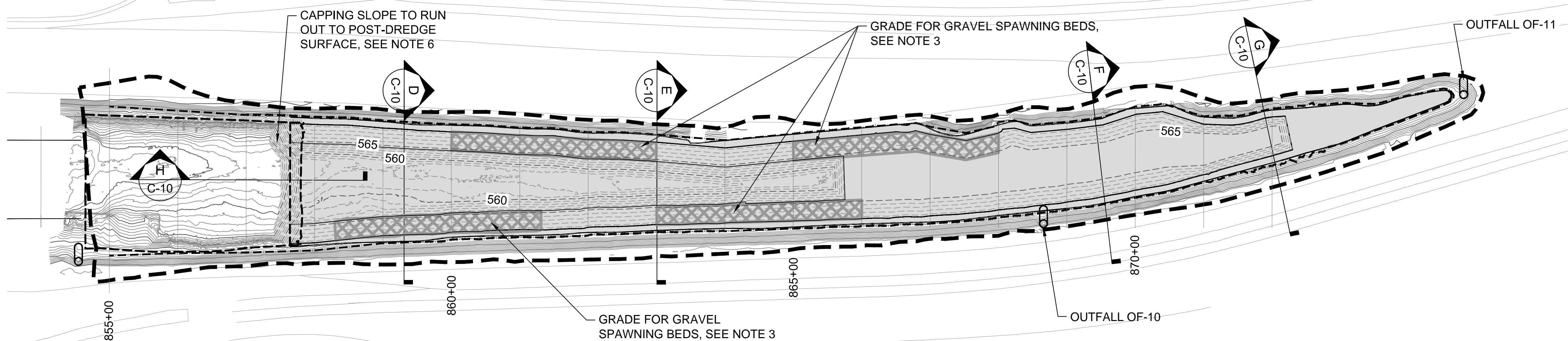


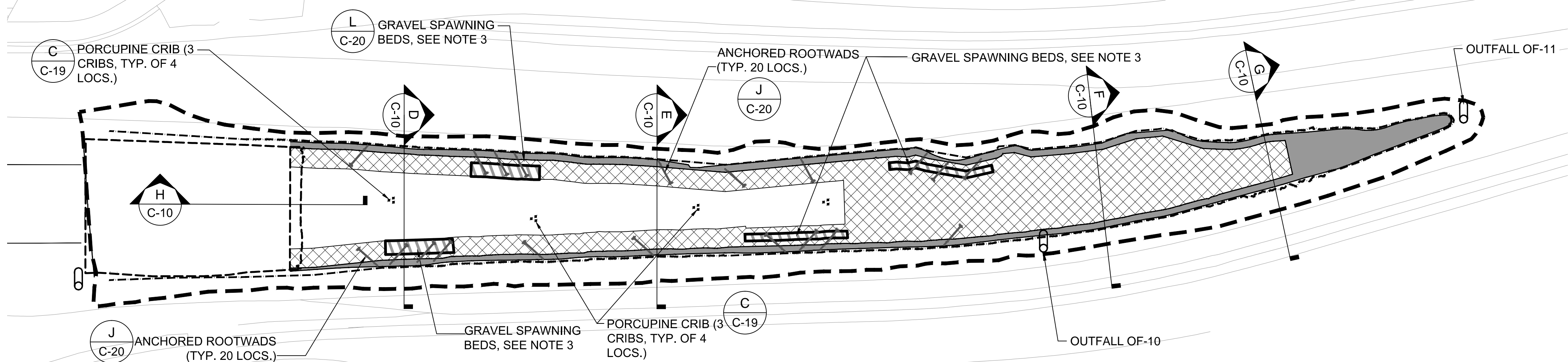
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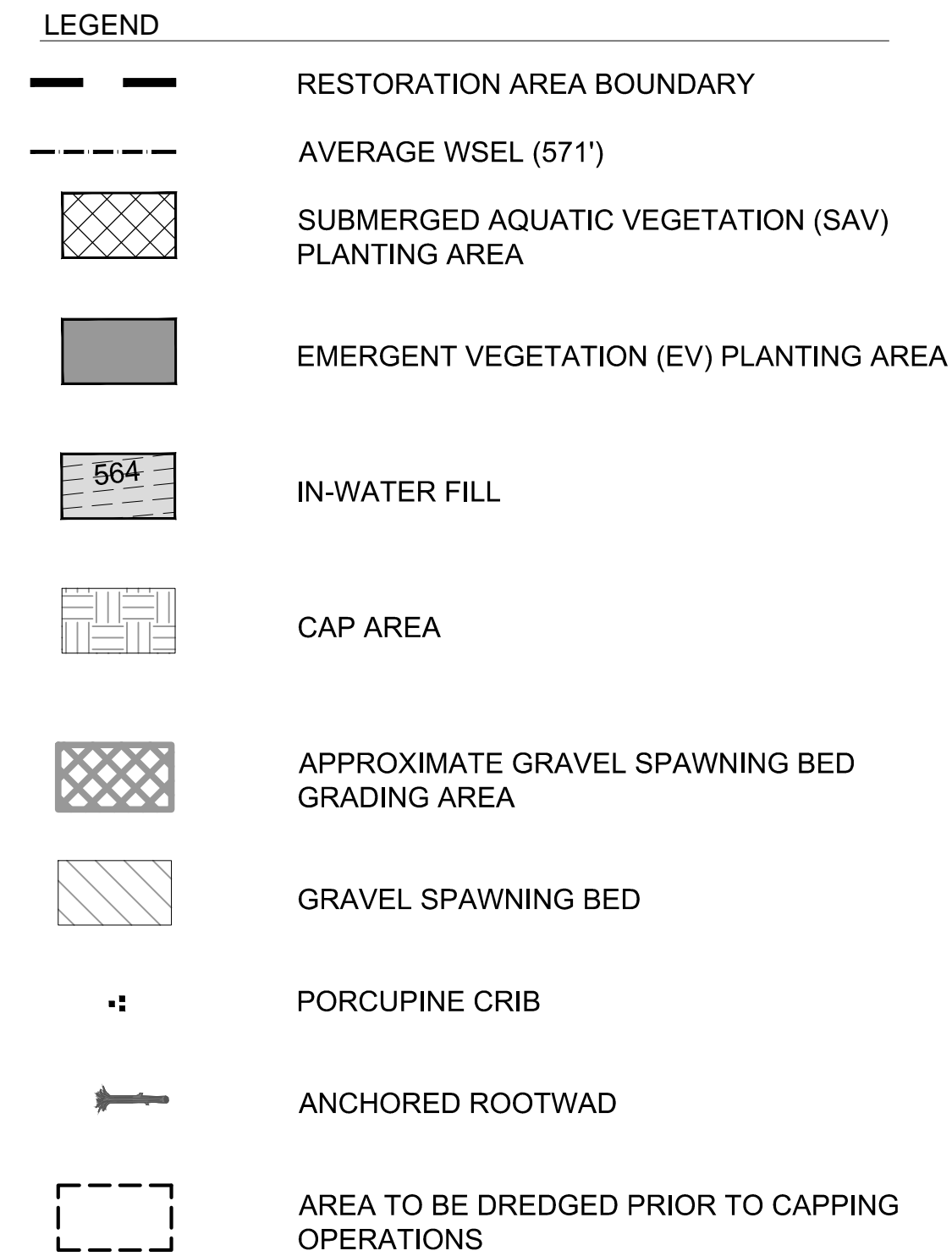
CAPPING PLAN



FILL GRADING PLAN



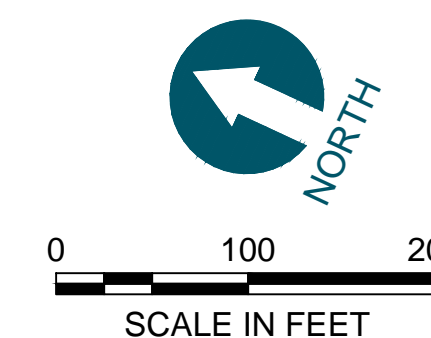
HABITAT RESTORATION PLAN



NOTES

- IN-WATER FILL WILL BE PLACED OVER THE ENTIRE GRADING AREA SHOWN ON THIS DRAWING. THE FILL GRADING PLAN SHOWS THE FINAL IN-WATER FILL CONTOURS WITHIN THE CITY SHIP CANAL PRIOR TO GRADING FOR GRAVEL SPAWNING BEDS.
- FOR DETAILS ON THE VARIOUS PLANTING TYPES (SAV & EV), SEE G-01. REFER TO SPECIFICATION FOR PLANT PREPARATION AND PLANTING EXECUTION. THE UPLAND LIMIT OF THE EV PLANTINGS IS AT ELEVATION 571'. FIELD VERIFY THE 571' ELEVATION.
- LOCATION AND GRADING FOR GRAVEL SPAWNING BEDS MAY VARY WITHIN THE LIMITS SHOWN AS APPROVED BY THE OWNER'S REPRESENTATIVE.
 - PROVIDE A TOTAL COVERAGE AREA NO LESS THAN 7,000 SQUARE FEET DIVIDED BETWEEN FOUR (4) ISOLATED AREAS RANGING FROM 2,500 TO 1,000 SQUARE FEET EACH.
- EXISTING OUTFALLS TO REMAIN INTACT AND FUNCTIONAL. SEE C-19 FOR OUTFALL SCOUR PROTECTION TO BE INSTALLED.
- DREDGING TO OCCUR BY OTHERS WITHIN FOOTPRINT SHOWN PRIOR TO COMPLETION OF CAP. CONTRACTOR SHALL COORDINATE CAP CONSTRUCTION SUCH THAT DREDGING DOES NOT DESTABILIZE PRIOR PLACED CAP MATERIALS.
- FOLLOWING DREDGING, CONTRACTOR SHALL COMPLETE FULL CAP THICKNESS UP TO TOP OF DREDGE DAYLIGHT LINE, THEN SLOPE FILL AT NATURAL ANGLE OF REPOSE (MINIMUM 3H:1V) DOWN TO POST-DREDGE SURFACE.
- EXISTING CONDITIONS BATHYMETRY CONTOURS SHOWN ARE PRIOR TO DREDGING OPERATIONS IN DMU 100. PROPOSED POST-DREDGE SURFACE IS ILLUSTRATED ON SECTION H-H' ON DRAWING C-10.

OUTFALLS	
OUTFALL ID	RIPRAP WIDTH (INCHES)
OF-10	72
OF-11	72



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ONE INCH
= 100 FEET
AT FULL SIZE, IF NOT ONE
INCH SCALE ACCORDINGLY



ANCHOR QEA ENGINEERING, PLLC
290 ELWOOD DAVIS ROAD
LIVERPOOL, NY 13088

CLIENT: HONEYWELL INTERNATIONAL

REVISIONS				
REV	DATE	BY	APP'D	DESCRIPTION
1	9/24/2014	CAH	JPD	ADDITION OF DMU 100 AND CAP MODIFICATION

DESIGNED BY: M. REEMTSMA, GAFFNEY
DRAWN BY: C. HEWETT
CHECKED BY: S. BAGNULL
APPROVED BY: P. DOODY
DATE: SEPTEMBER 2014
DATE SIGNED: _____

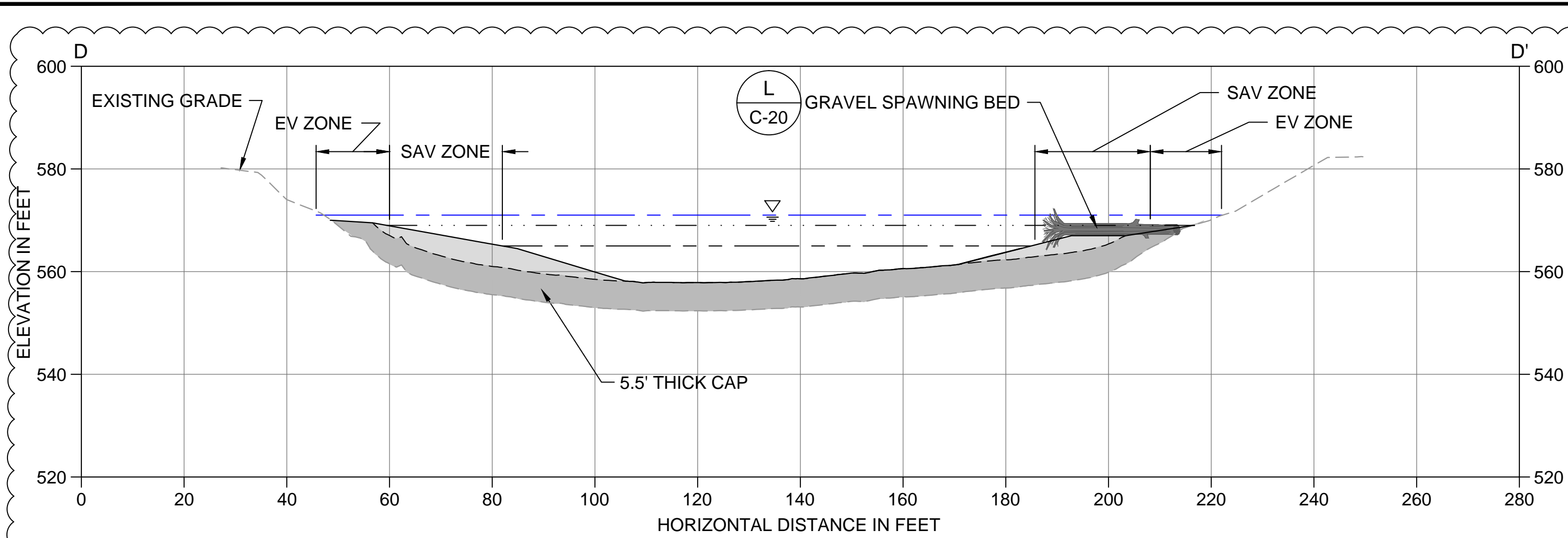
BUFFALO RIVER AOC CAPPING AND HABITAT
RESTORATION

HABITAT RESTORATION PLAN VIEW -
CITY SHIP CANAL

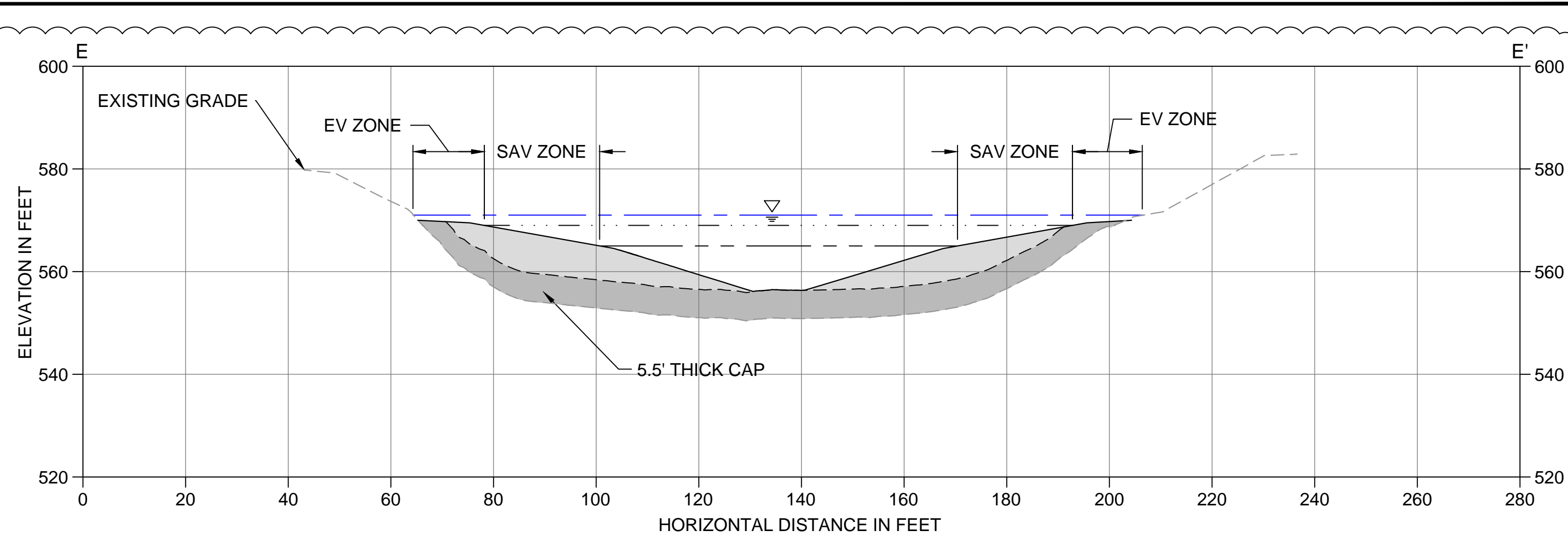
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SHEET NO. 12 OF 23

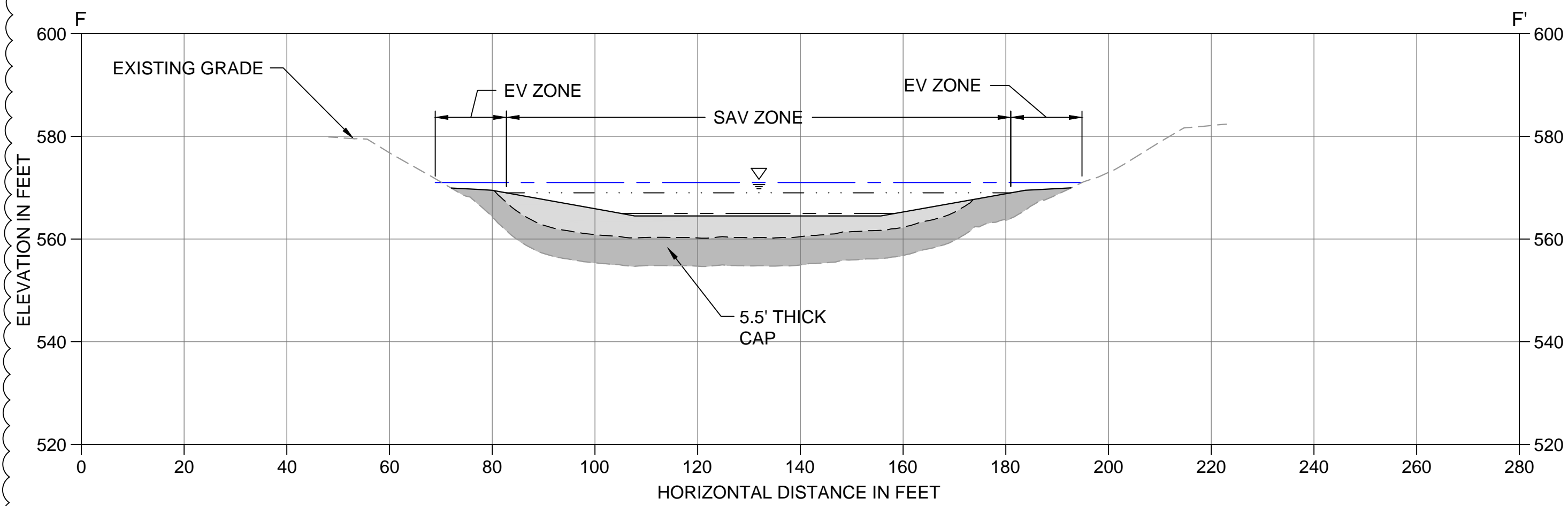
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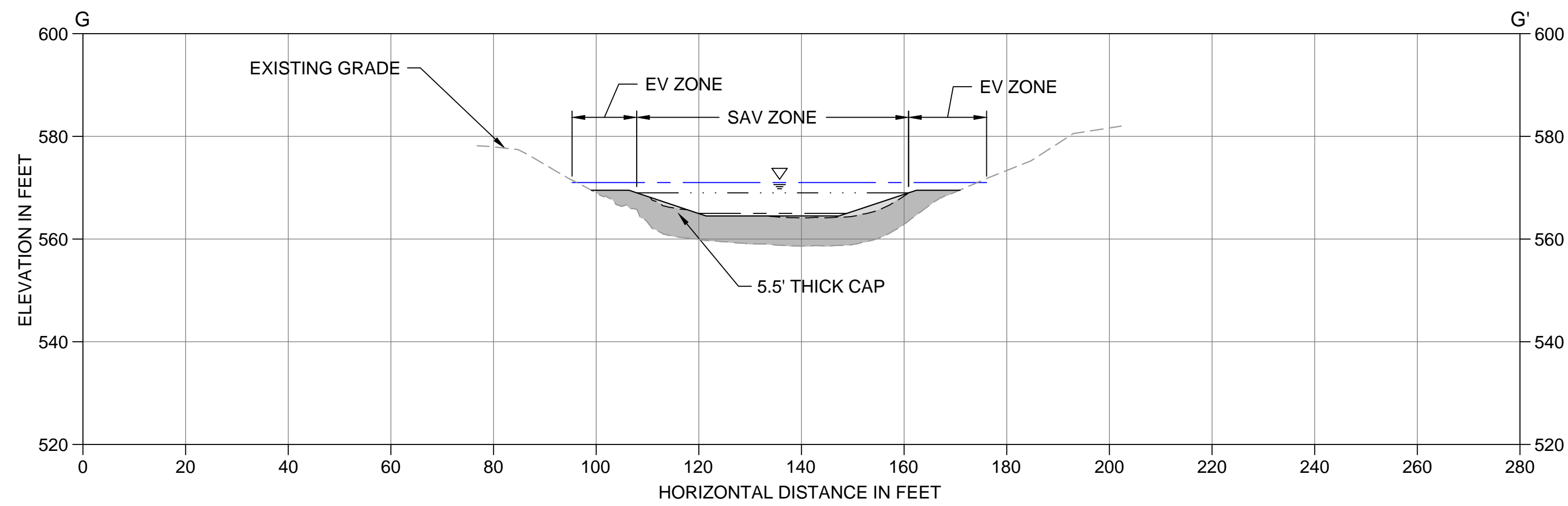
D SECTION D-D'
C-09



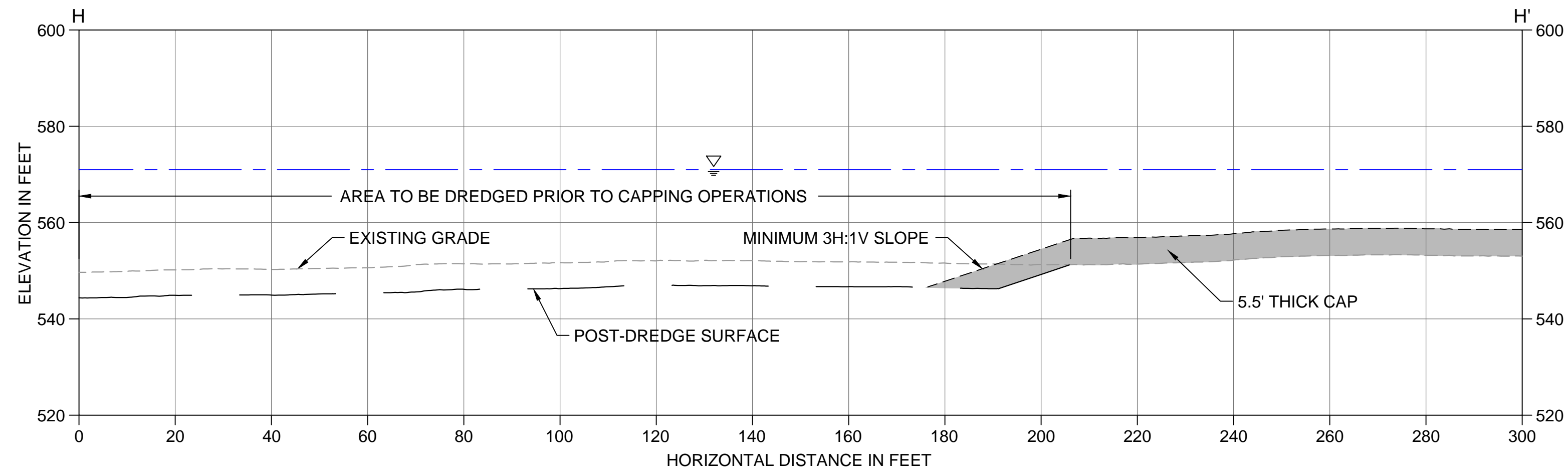
E SECTION E-E'
C-09



F SECTION F-F'
C-09

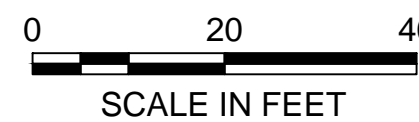


G SECTION G-G'
C-09



H SECTION H-H'
C-09

- LEGEND:
- EXISTING MUDLINE
 - AVERAGE WSEL (571')
 - FINISHED SUBGRADE
 - EV ZONE LOWER ELEVATION LIMIT (569')
 - SAV ZONE LOWER ELEVATION LIMIT (565')
 - CAP SURFACE
 - POST-DREDGE SURFACE
 - LIMIT OF CAP PLACEMENT
 - ADDITIONAL IN-WATER FILL FOR HABITAT RESTORATION



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BUFFALO RIVER AOC CAPPING AND HABITAT RESTORATION

CROSS-SECTIONS - CITY SHIP CANAL

C-10

SHEET NO. 13 OF 23